

ELECTRICAL POWER EXTRACTION FROM MECHANICAL DISTURBANCES

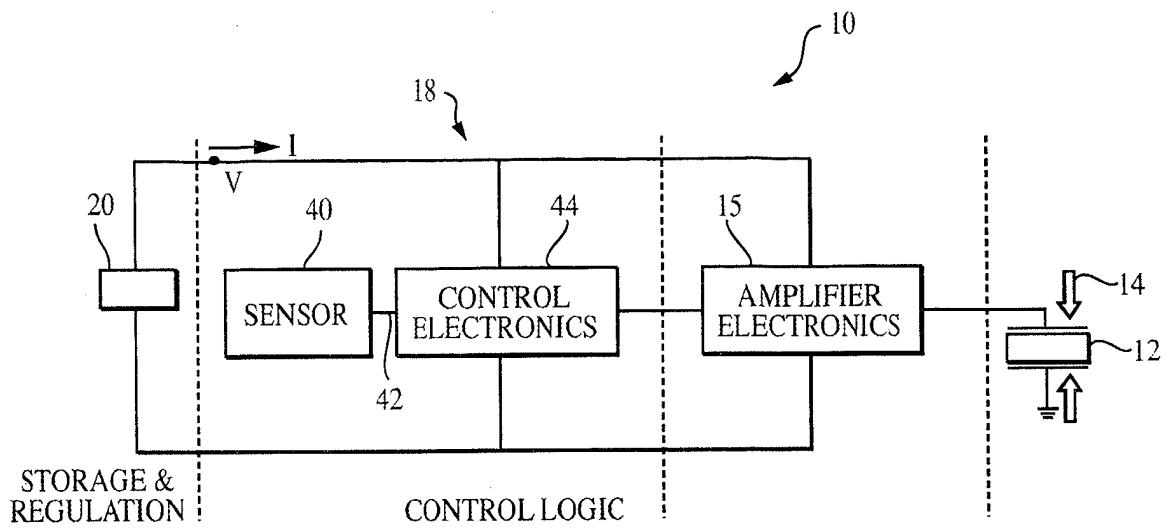


FIG. 1A

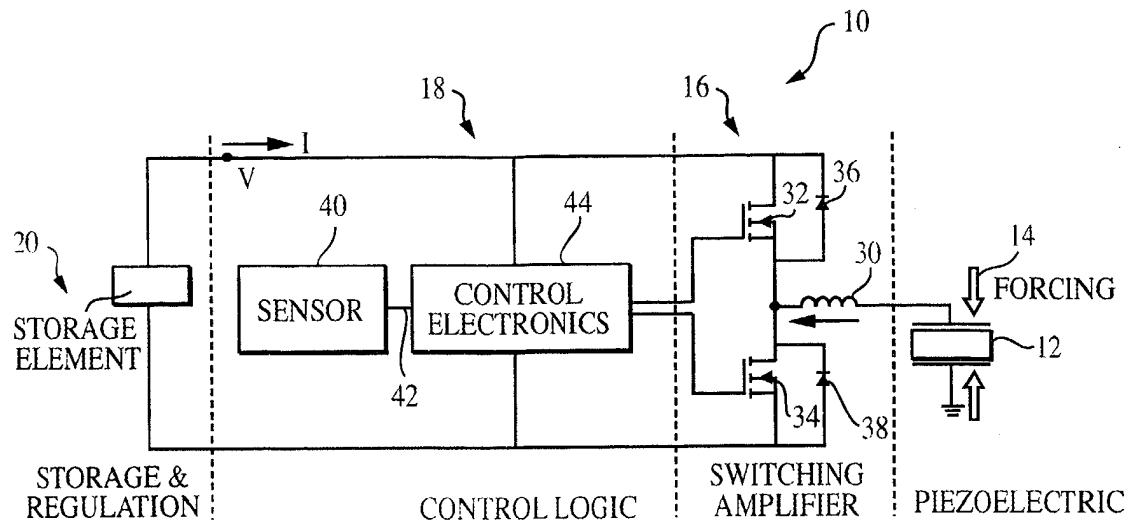


FIG. 1B

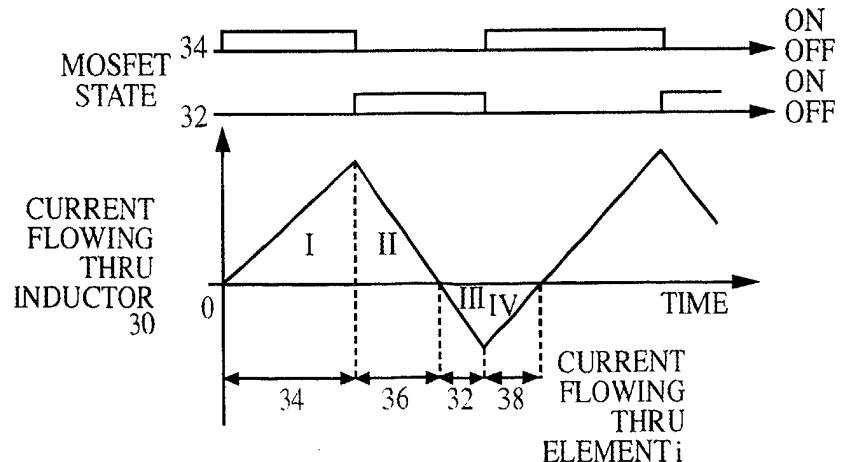


FIG. 2A

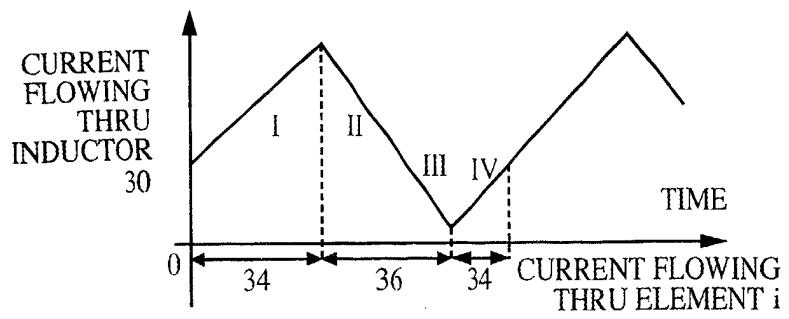


FIG. 2B

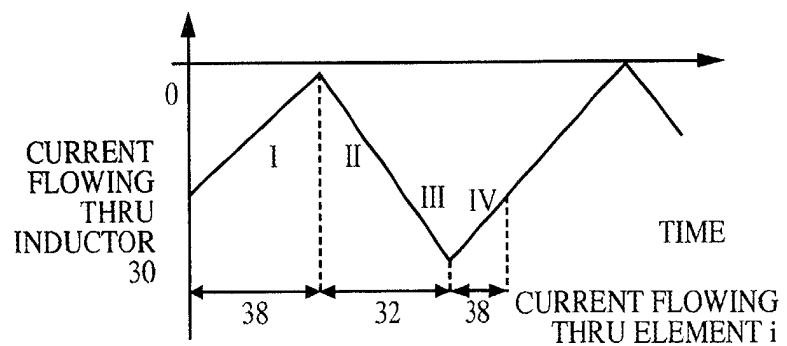


FIG. 2C

FIG. 3A

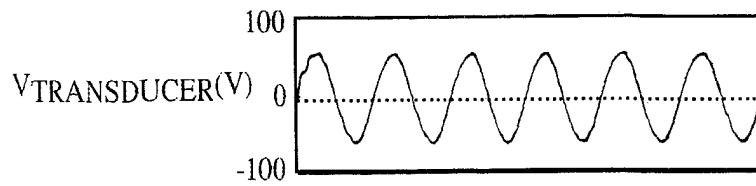


FIG. 3B

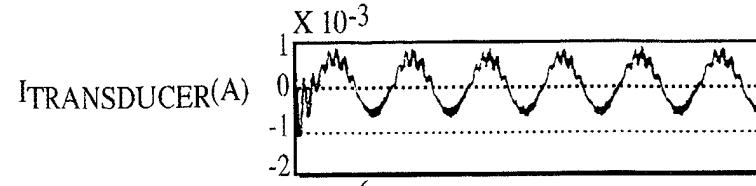


FIG. 3C

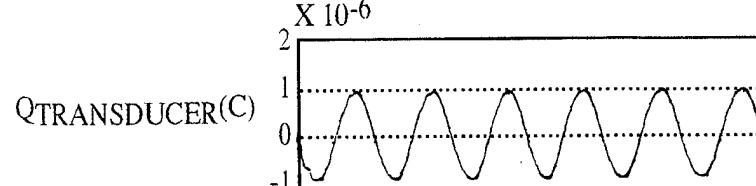


FIG. 3D

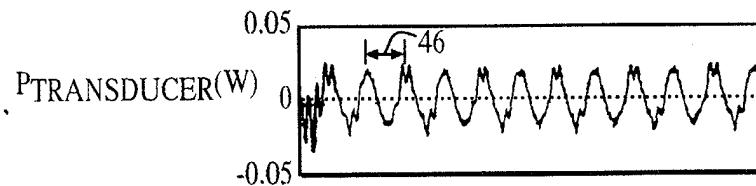


FIG. 3E

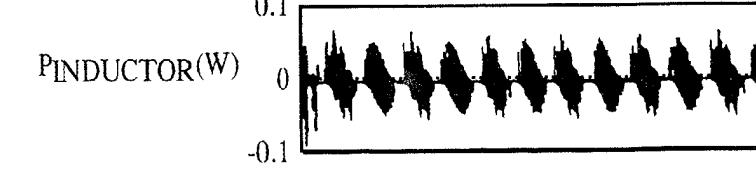


FIG. 3F

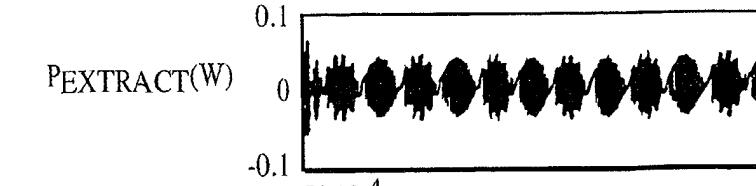
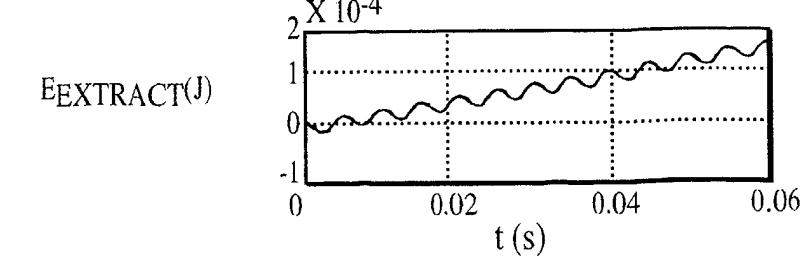


FIG. 3G



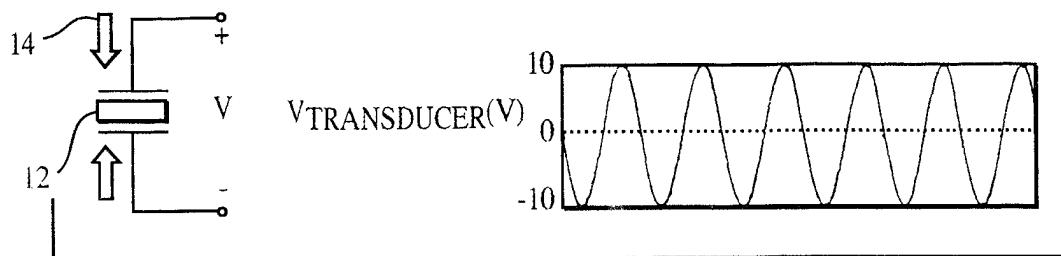


FIG. 4A

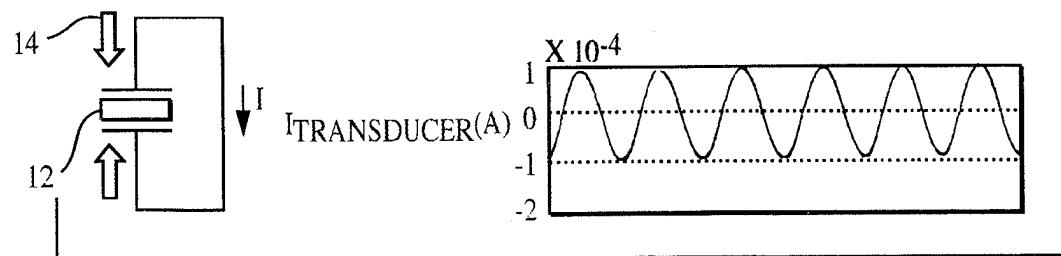


FIG. 4B

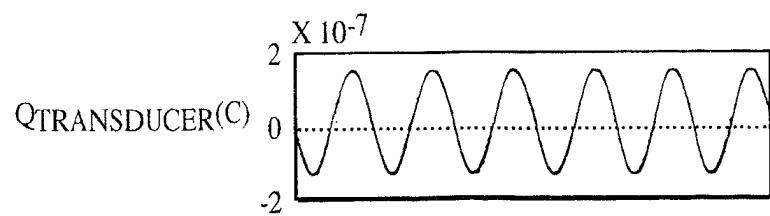


FIG. 4 C

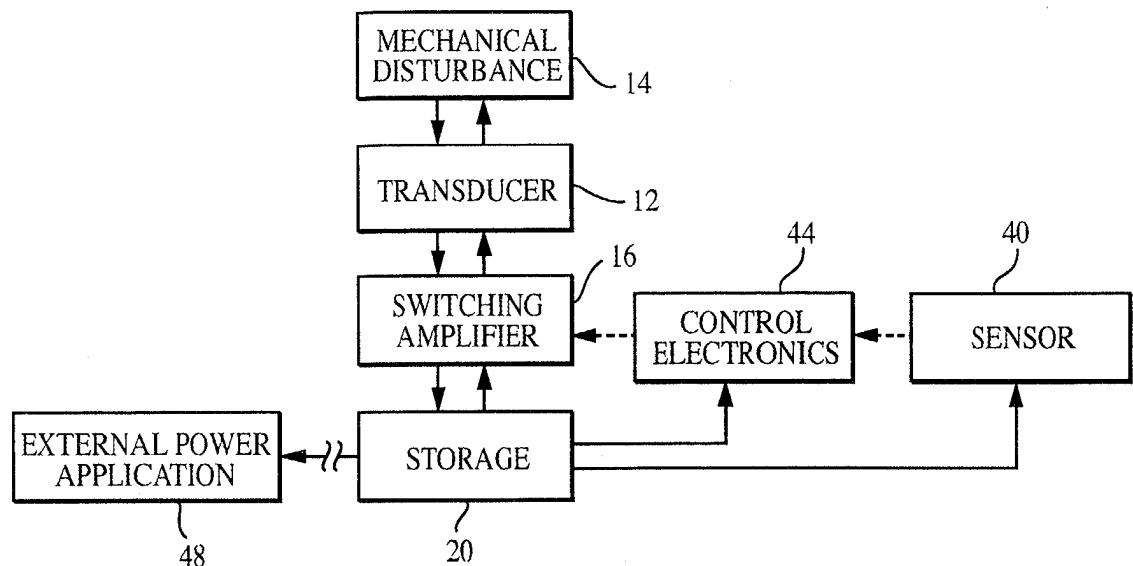


FIG. 5

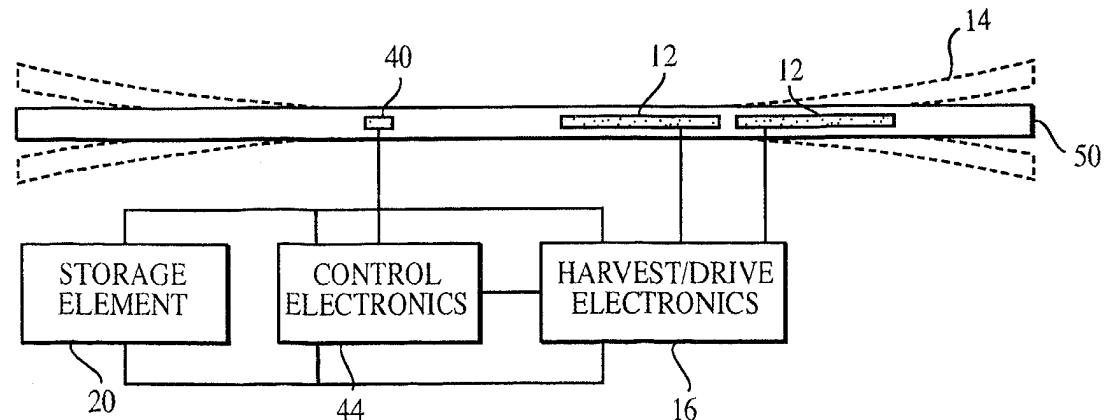


FIG. 6

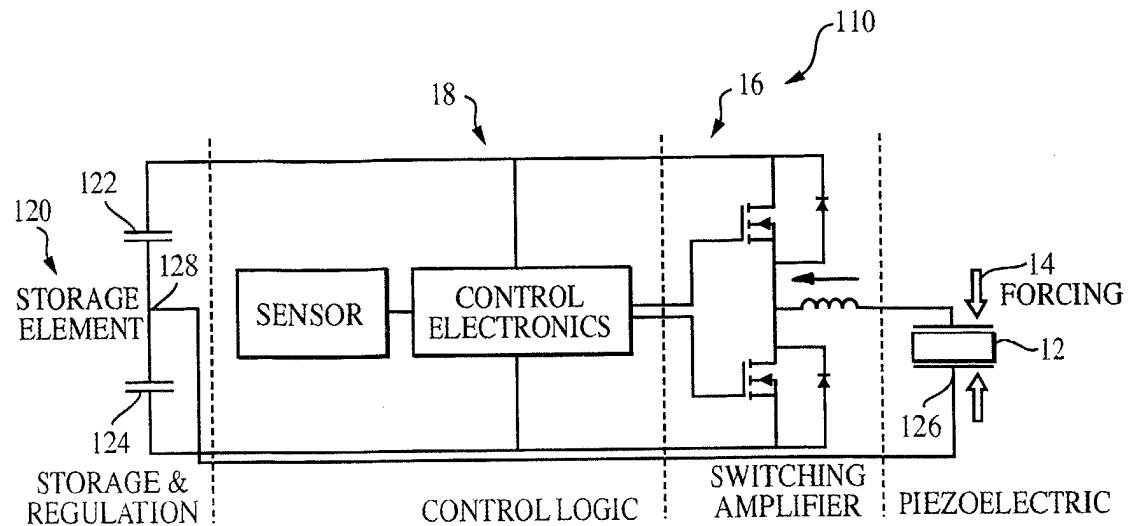


FIG. 7

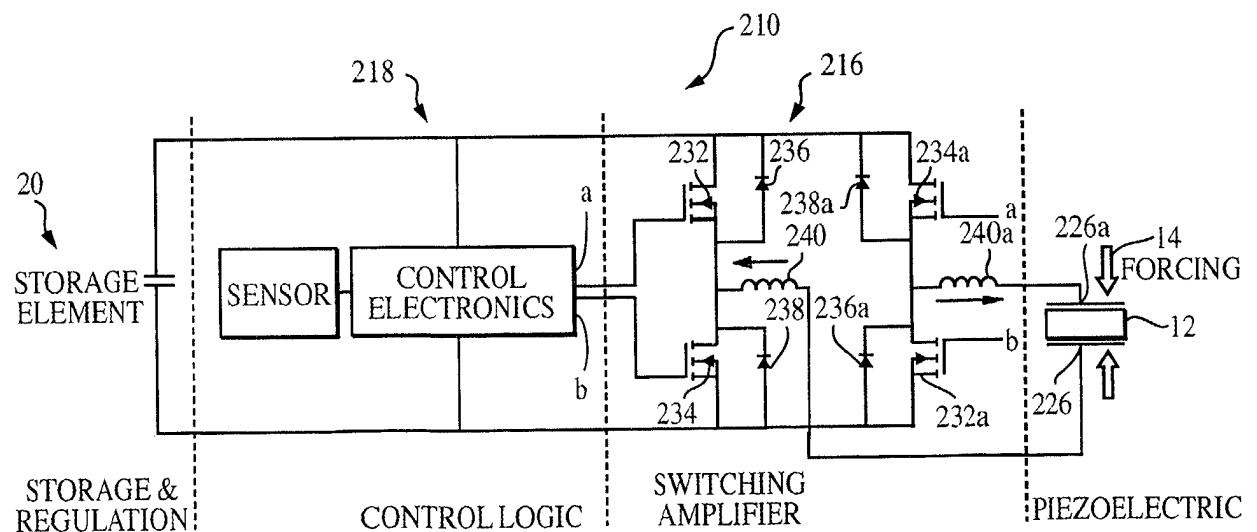


FIG. 8

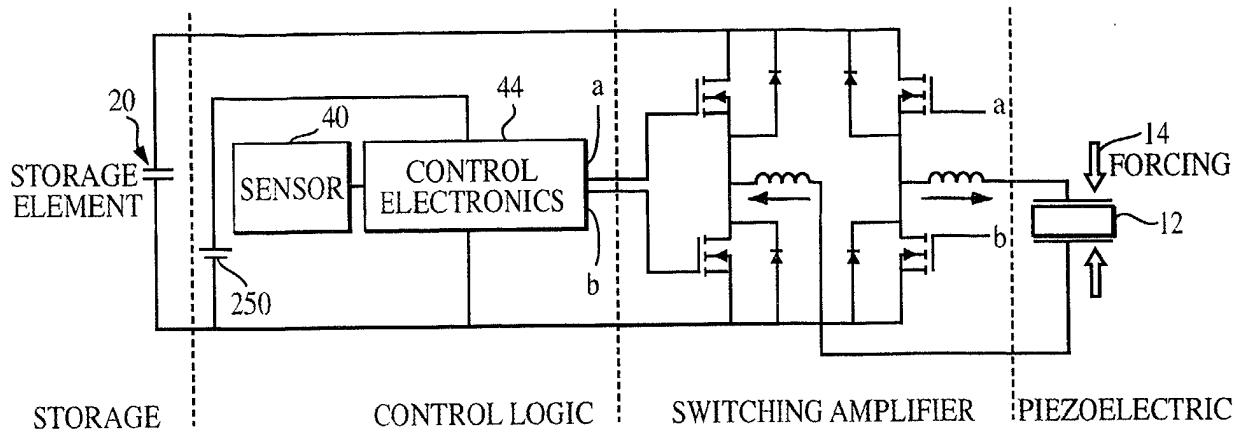


FIG. 9

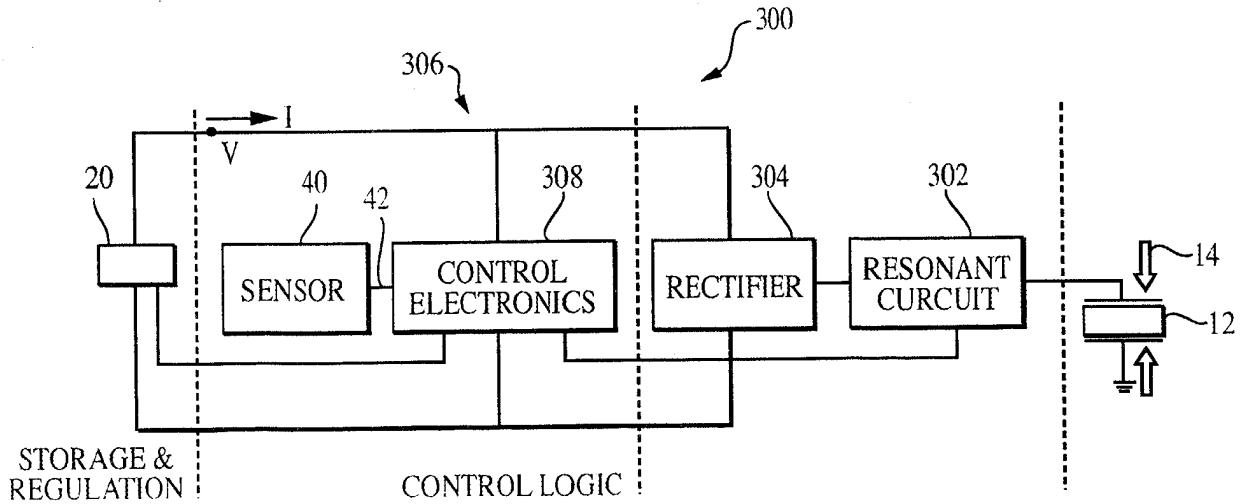


FIG. 10A

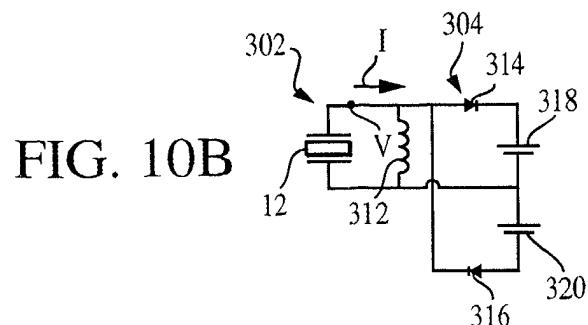


FIG. 10B

FIG. 11A

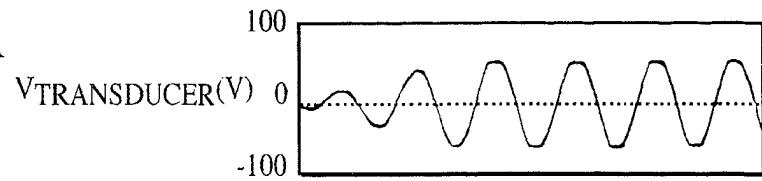


FIG. 11B

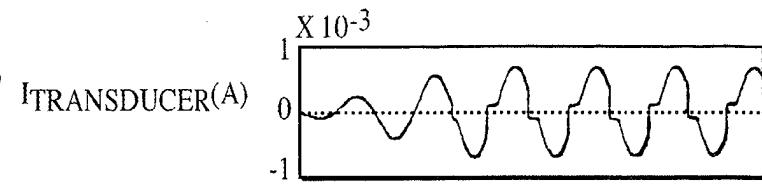


FIG. 11C

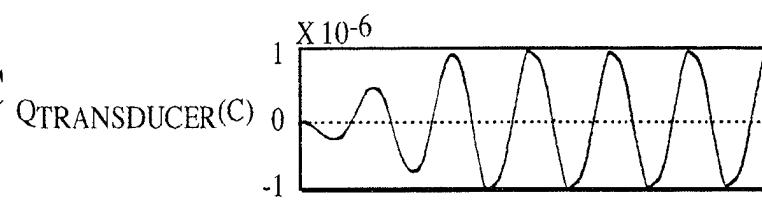


FIG. 11D

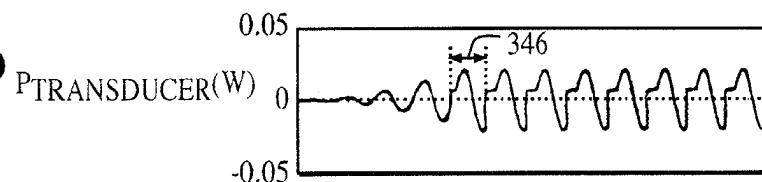


FIG. 11E

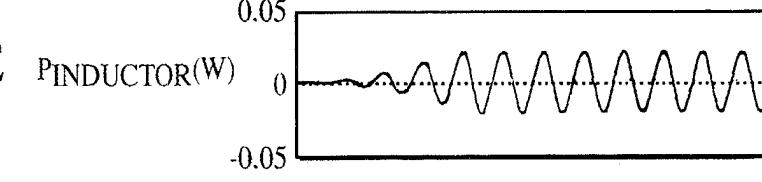


FIG. 11F

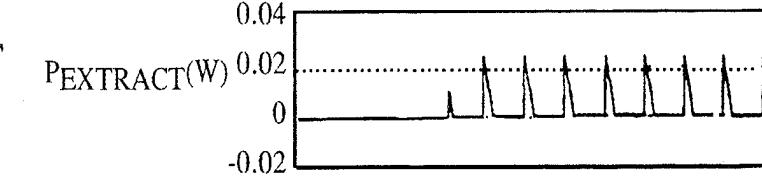
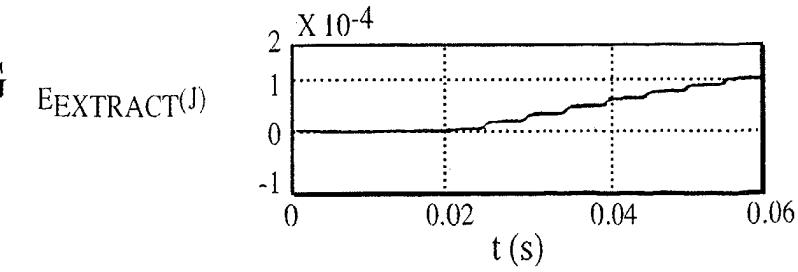


FIG. 11G



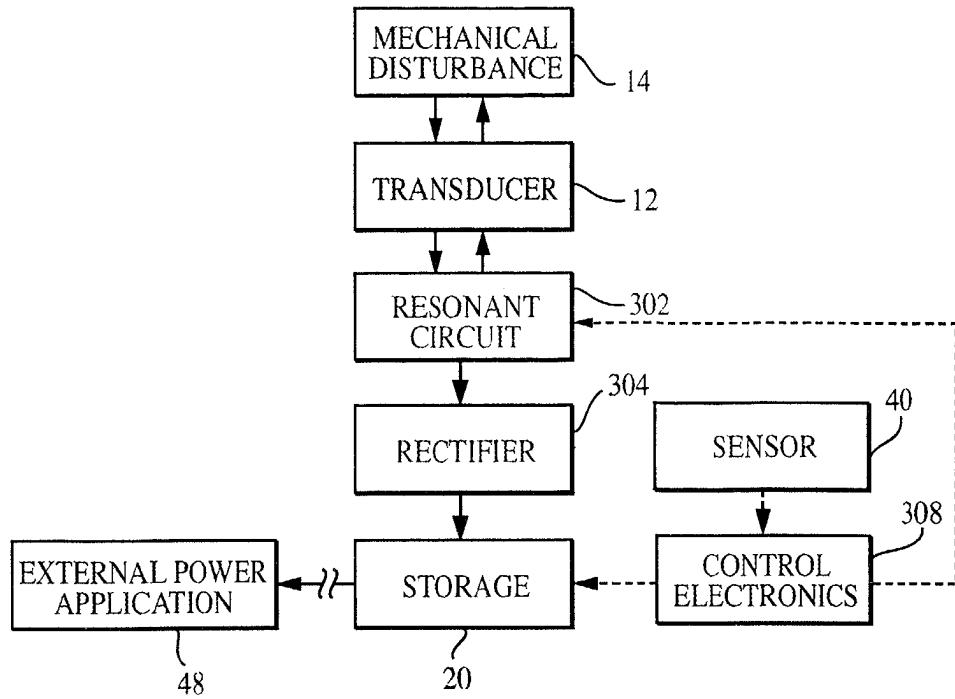


FIG. 12

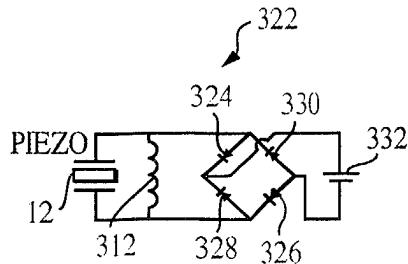


FIG. 13

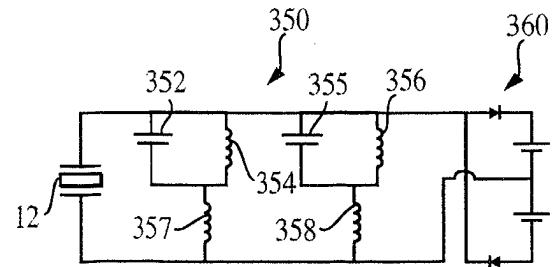


FIG. 14

FIG. 15

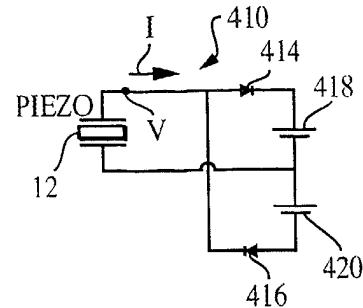


FIG. 16A TRANSDUCER VOLTAGE

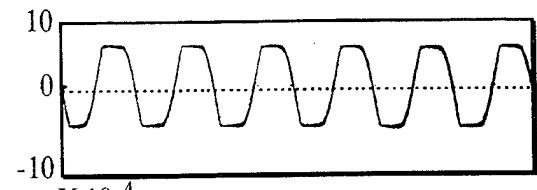


FIG. 16B TRANSDUCER CURRENT

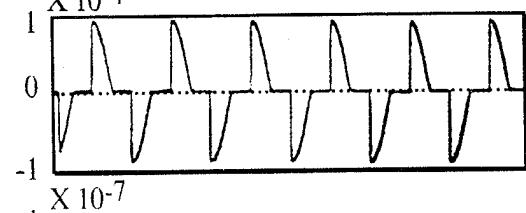


FIG. 16C Q_{TRANSDUCER(C)}

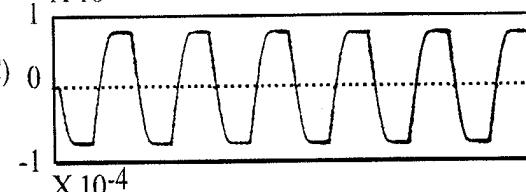


FIG. 16D P_{TRANSDUCER(W)}

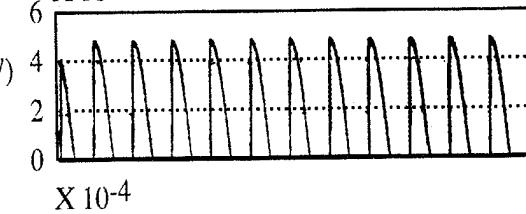


FIG. 16E P_{EXTRACT(W)}

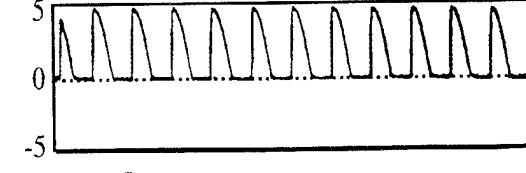
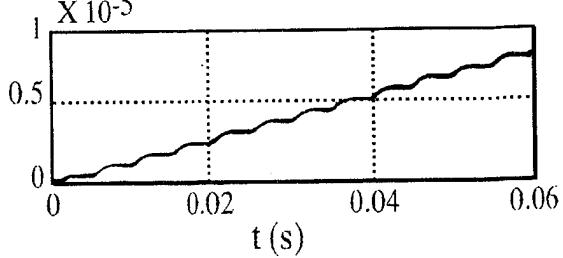


FIG. 16F E_{EXTRACT(J)}



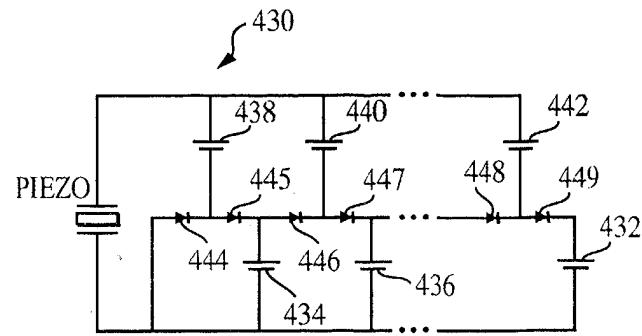


FIG. 17

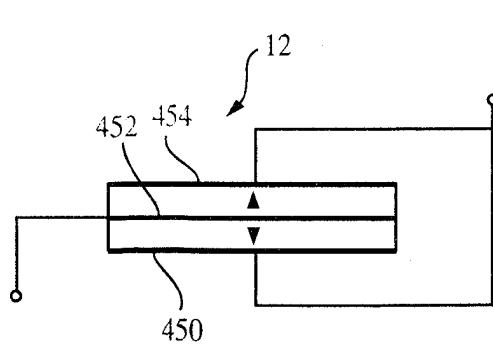


FIG. 18A

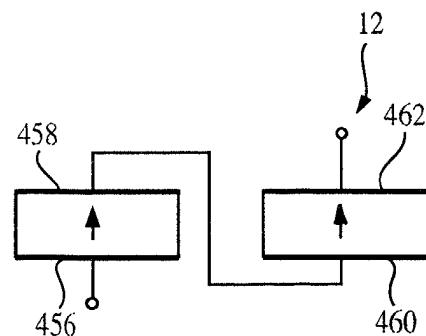


FIG. 18B

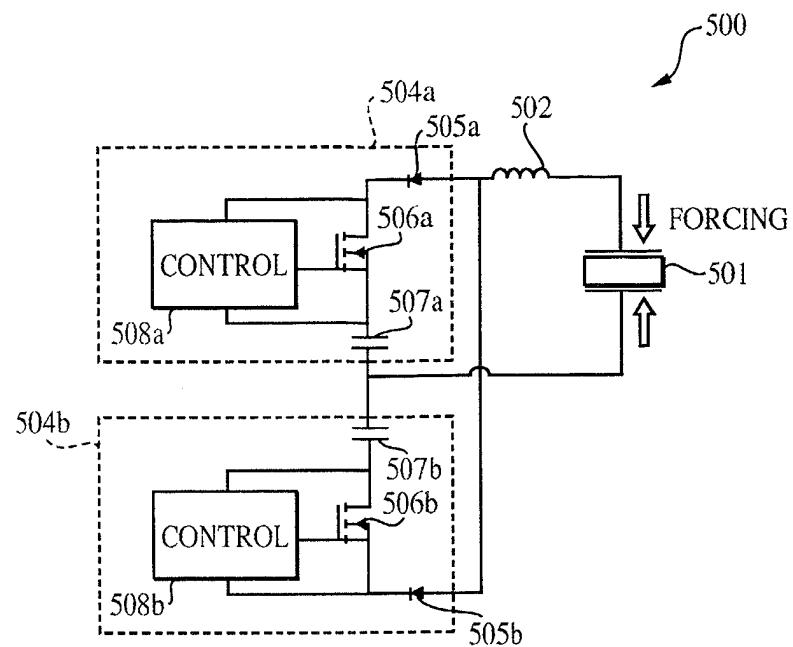


FIG. 19

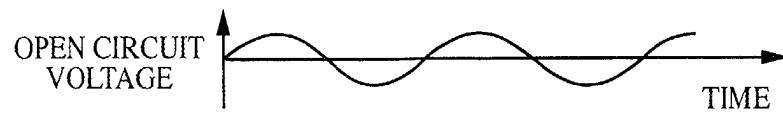


FIG. 20A

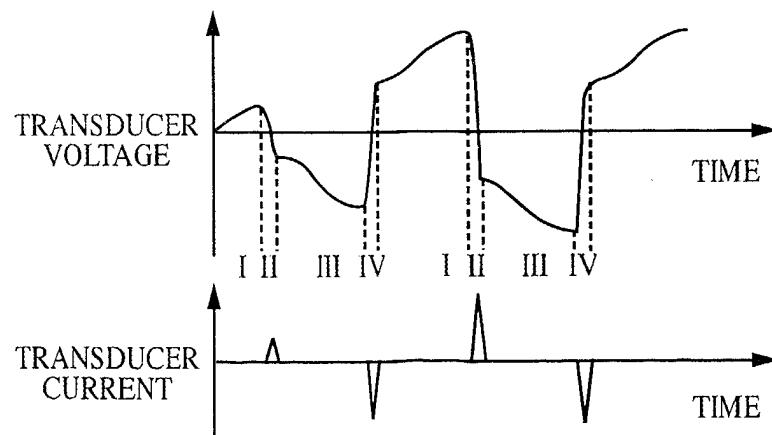
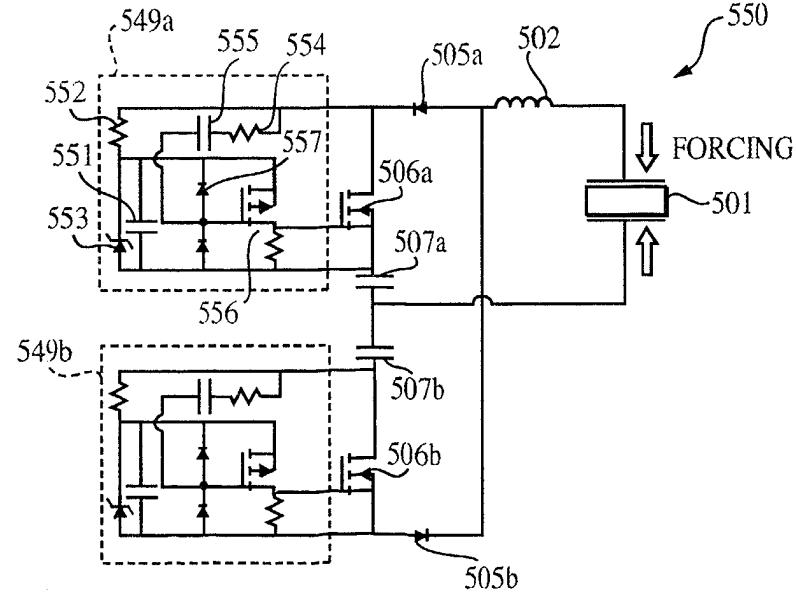
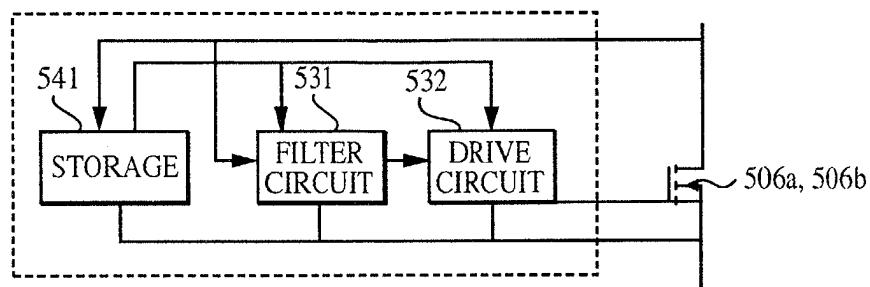
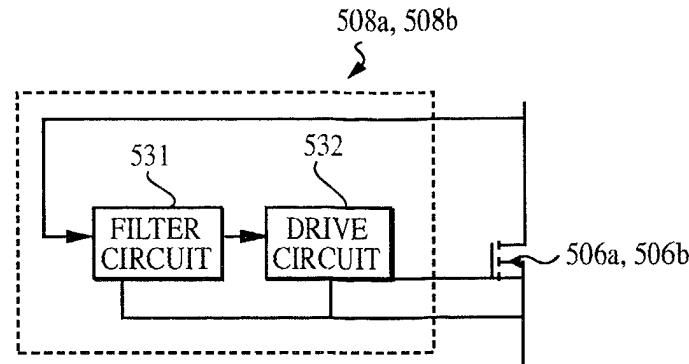


FIG. 20B

FIG. 20C



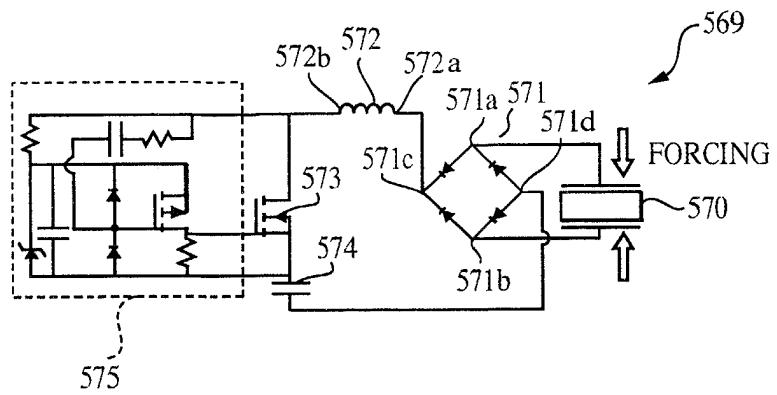


FIG. 24

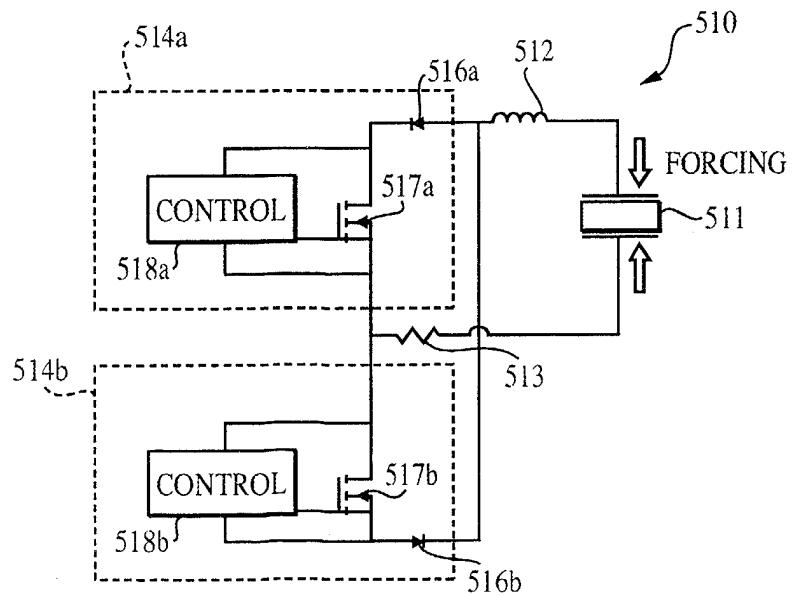


FIG. 25

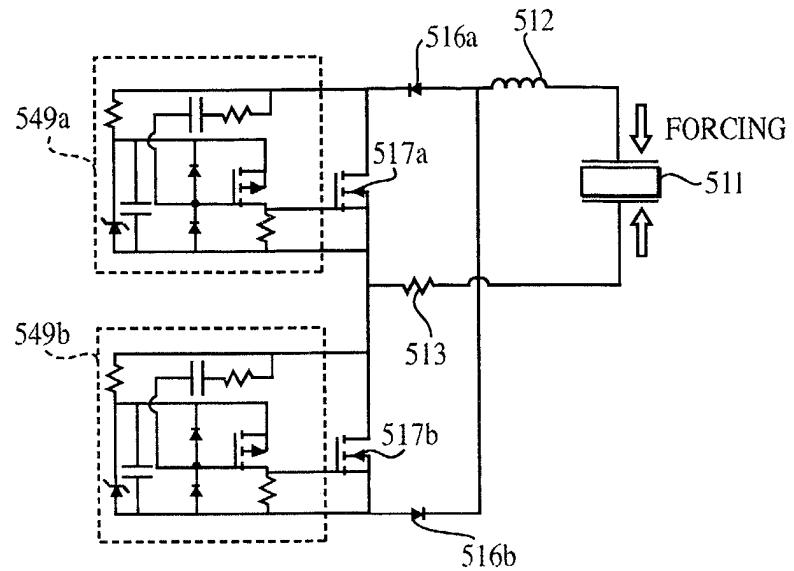


FIG. 26

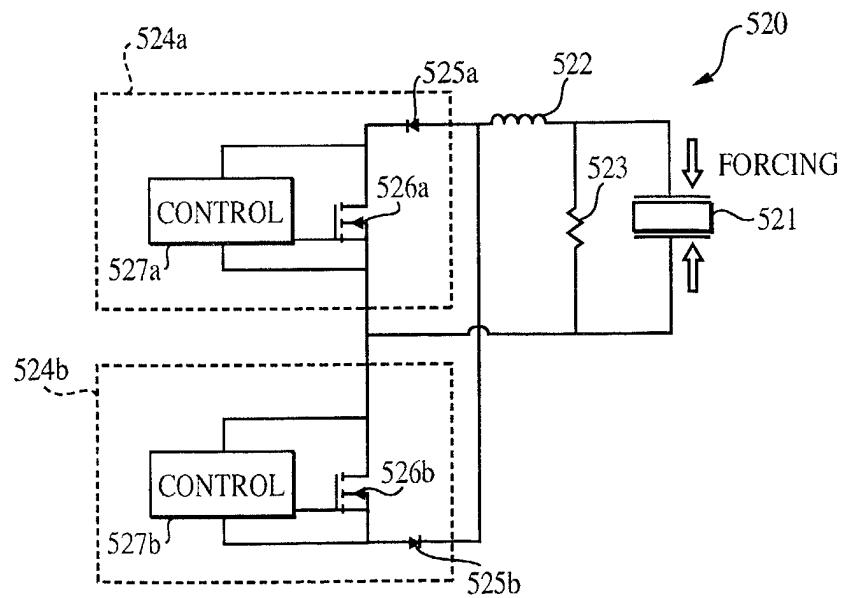


FIG. 27

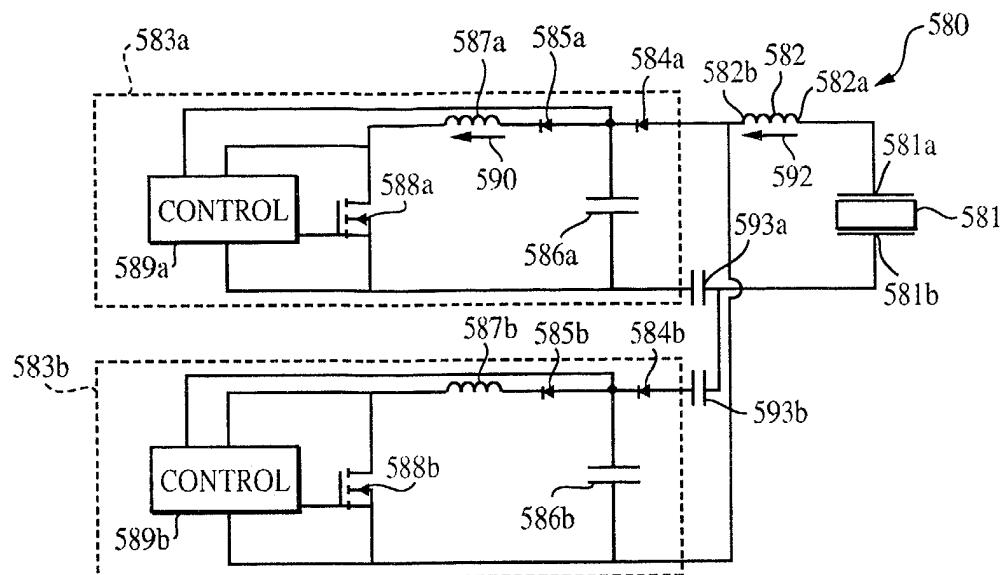


FIG. 28

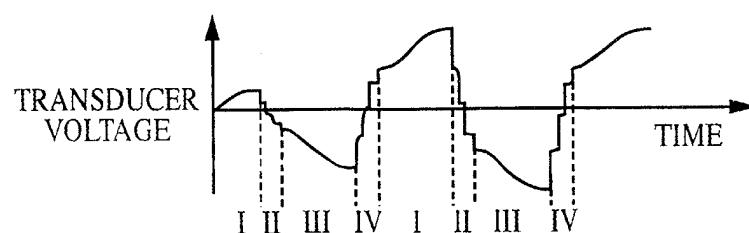


FIG. 29A

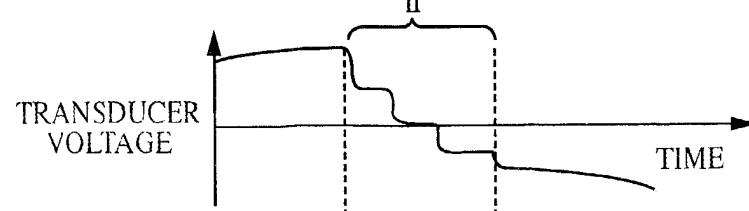


FIG. 29B

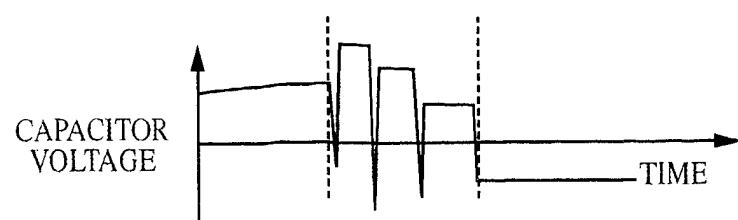


FIG. 29C

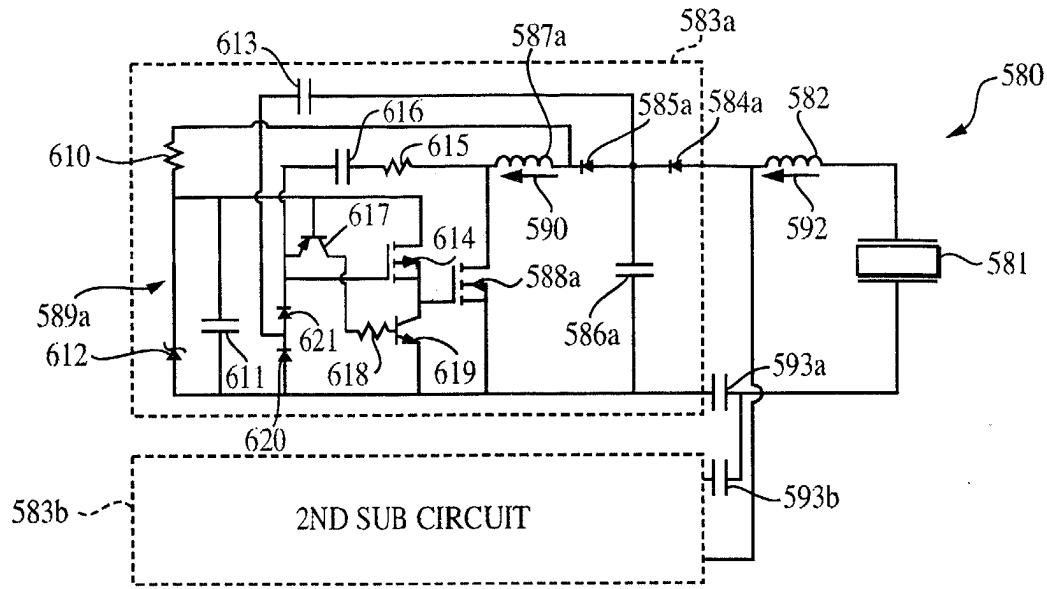


FIG. 30